

## Bax Mouse monoclonal antibody

Catalog: MB9013

Host: Mouse

Reactivity: Human, Mouse, Rat

### Background:

The Bcl-2 gene was isolated at the chromosomal break-point of t-bearing follicular B cell lymphomas. Bcl-2 blocks cell death following a variety of stimuli and confers a death-sparing effect to certain hematopoietic cell lines following growth factor withdrawal. Bcl-2 is localized to outer mitochondrial membranes and endoplasmic reticulum as well as nuclear membranes. A related protein, designated Bax p21 (for Bcl-associated X protein), has extensive amino acid homology with Bcl-2 and both homodimerizes and forms heterodimers with Bcl-2. Overexpression of Bax accelerates apoptotic death induced by cytokine deprivation in an IL-3 dependent cell line, and Bax also counters the death repressor activity of Bcl-2.

### Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

### Molecular Weight:

~ 21 kDa

### Swiss-Prot:

Q07812

### Purification&Purity:

The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:1000-1:1500

ELISA: 1:5000-1:10000

IHC: 1:100-1:500

IF: 1:200-1:500

ICC: 1:100

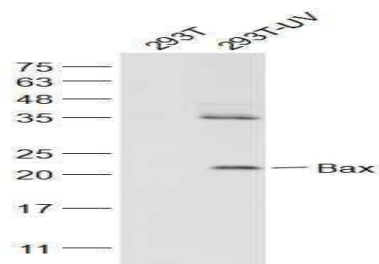
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

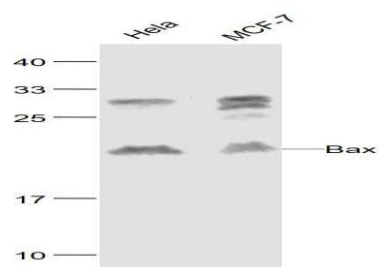
### Specificity:

Bax Mouse monoclonal antibody detects endogenous levels of Bax protein.

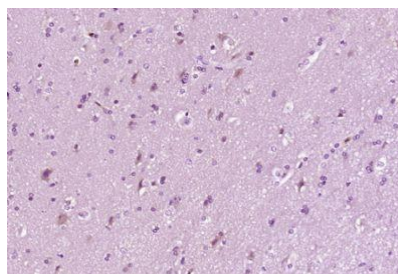
### DATA:



Primary: Anti-Bax at 1/1000 dilution



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Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 °C for 30min; Antibody incubation with (Bax) Monoclonal Antibody, Unconjugated at 1:400 overnight at 4 °C.

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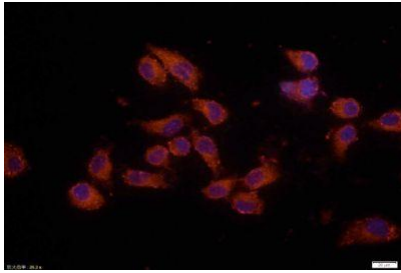
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Tissue/cell: HeLa cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37 °C for 20 min; Antibody incubation with (Bax) monoclonal Antibody, Unconjugated 1:100, 90 minutes at 37 °C; followed by a CY3 conjugated Goat Anti-Mouse IgG antibody at 37 °C for 90 minutes, DAPI (blue)

was used to stain the cell nuclei.

**Note:**

For research use only, not for use in diagnostic procedure.

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